



PATENT
Docket No. 3248

8/a
B. Webb
7/24/00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Gunderson et al.

Application No.: 09/394,230

Filed: September 13, 1999

Title: NUCLEIC ACID ANALYSIS
USING COMPLETE N-MER
ARRAYS

Group Art Unit: 1655

Examiner: B. Forman

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AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In response to the Office Action mailed March 6, 2000, please amend the above-identified application as follows:

In the Claims:

Please amend the claims as follows. (Unamended claims are included in smaller font for the Examiner's convenience)

1. (Amended) A method of determining the presence of a mutation in a target polynucleotide, comprising the steps of:
- (a) providing at least two identical [or substantially identical] polynucleotide probe arrays, wherein each probe comprises a double stranded region and a single-stranded n-mer overhang region such that the overhangs in each array constitute a complete [or substantially complete] set of n-mers;
 - (b) hybridizing the target polynucleotide to said overhangs of probe polynucleotides in one array to generate a target hybridization pattern;